



## OKS 230 - Product Information

### Fields of Application:

Lubrication of temperature-stressed machine parts, e.g. rolling bearings, friction bearings, slideways, chains, rollers or moving parts in hot forming, heat treatment or drying. Dry lubrication, e.g. of kiln and rack-truck bearings, bearings of pouring ladles, converters or hot-air blowers at temperatures over 250 °C. Lubrication of plastic and rubber at normal temperature when the materials concerned are not resistant to mineral oil.

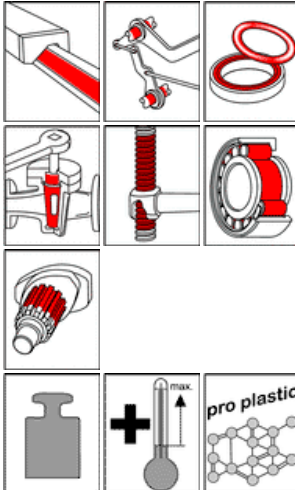
### OKS 230 MoS<sub>2</sub> High-Temperature Paste

### Advantages and Benefits:

Highly effective due to the strong affinity of the MoS<sub>2</sub> for metals. Extremely low friction at highest loading capability. Broad range of applications at temperatures up to 200 °C as paste, over 200 °C to 450 °C as dry lubricant. Resistant to water, fuels and lubricants, chemicals and hydraulic fluids.

### Application:

For best adhesion, clean the threads and sliding surfaces from dirt and other lubricants. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Apply paste evenly thin onto the sliding areas with brush, spatula, etc. Remove excessing paste. When used for rolling bearings, dab paste in small amount with brush on sliding surface and spin the bearing several times. In operation, relubricate with OKS 310 MoS<sub>2</sub> High-temperature lubricant. Do not use paste instead of grease and only mix with appropriate lubricants. For further questions please contact our Technical Department.



### Additional Information:

Packaging (Article number):

- 250 g Tin (00230030)
- 1 kg Tin (00230034)
- 5 kg Hobbock (00230050)
- 25 kg Hobbock (00230062)

Version:

E-04.1/05

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### Technical Data

	Norm	Conditions	Unit	Value
<b>Base Oil</b>				
Type				Polyglykol
Flash point	DIN ISO 2592	> 79	°C	270
<b>Thickener</b>				
Type				Lithiumhydroxystearat
Unworked penetration	DIN ISO 2137	no sheer stress	0,1 mm	250 - 280
Drop point	DIN ISO 2176		°C	> 180
<b>Additives</b>				
Solid lubricants, type				MoS <sub>2</sub> other solid lubricants
<b>Application Data</b>				
Density	DIN EN ISO 3838	+20°C	g/cm <sup>3</sup>	1,75
Colour				black
<b>Service Temperatures</b>				
Minimum service temperature			°C	- 35
Maximum service temperature - lubrication			°C	180
Maximum service temperature - separation			°C	450, max. 630
<b>Wear protection tests</b>				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	3.200
<b>Friction Values</b>				
Press-Fit-Test	E DIN 51 833		μ	0,11
Thread friction values	DIN EN ISO 16047	Screw: ISO 4017 M10x55-8.8 plain Nut: ISO 4032 M10-10 plain	μ	0,10
Break-loose torque	DIN 267-27	A2-70, 400°C/100h	Nm	< 1,2 x tightening torque

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